



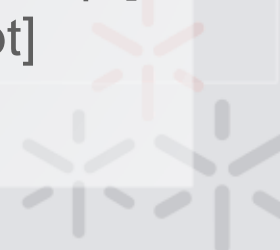
# Improving usage statistics for RepositóriUM

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<https://repositorium.s dum.uminho.pt>



# Summary



- Introduction
- Objectives, principles and architecture of the Statistics Add-on
- Objectives and Improvements of the Statistics v2.0
- Brief Demo
- Future Work and Concluding Remark



# University of Minho





- Created in 1974
- Two main campus in two different towns (Braga and Guimarães)
- +13 500 undergraduate students
- +1 500 graduate students

- 1 116 FTE academic staff
- 11 Schools/Institutes
- 30 Research Centers



# RepositóriUM



- Building an I.R. was defined as a strategic objective in 2003
- The I.R. was included in the University proposal to the national Program E-U Campus Virtual, was approved and integrated E-UM (the University of Minho project)  
- RepositóriUM was publicly released on the 20th November 2003.



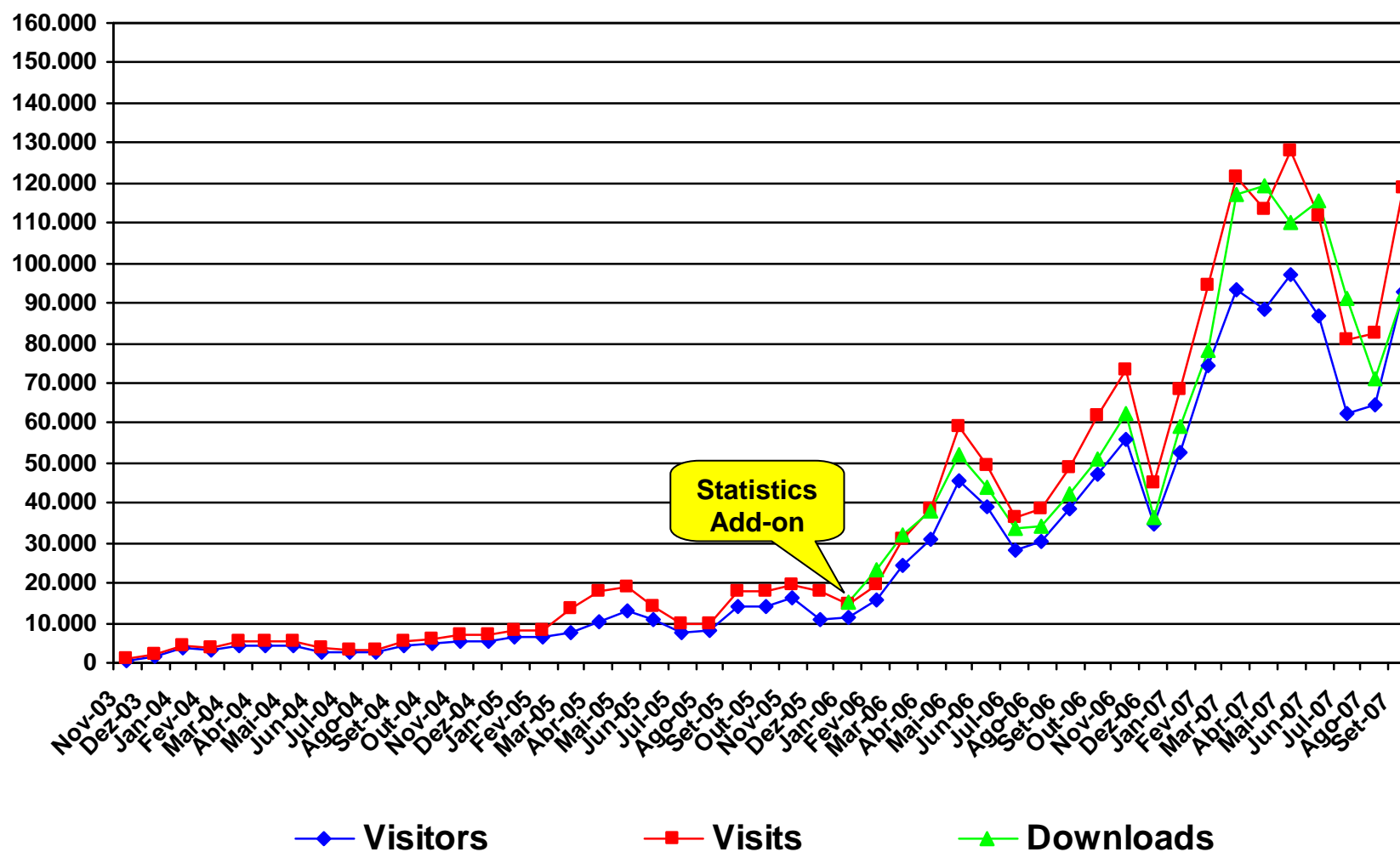
# Evolution of RepositóriUM



	December 2004	December 2005	December 2006	September 2007
N.º communities	7	33	35	35
N.º documents	626	3105	4990	5942
N.º registered users	717	2410	3390	3958



# Evolution of visitors, visits and downloads



# Aims of RepositóriUM statistics



- Promote RepositóriUM by showing its significant usage
- Promote author self-archiving/deposit in the IR by
  - Demonstrating the usage (access/downloads) of archived documents
  - Demonstrating the worldwide accessibility of archived documents
- Provide usage, content and administrative statistics to IR and community/collection administrators or coordinators



# General principles



- Customizable statistics
- Customizable web interface
- Customizable access policies
- Data stored in database
- Access origin detection and processing
- Crawler exclusion
- Real time/Batch statistics

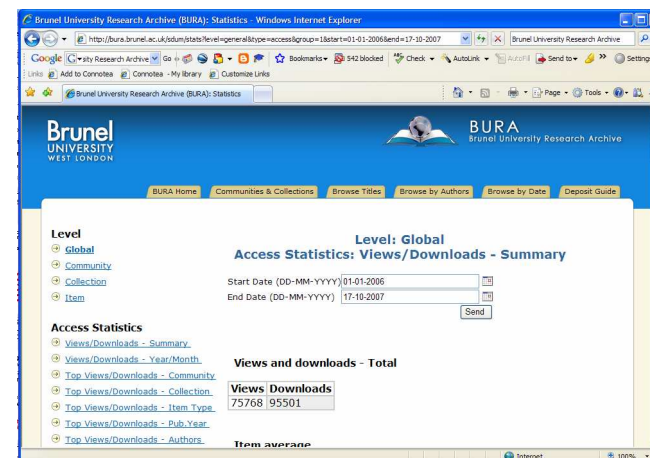
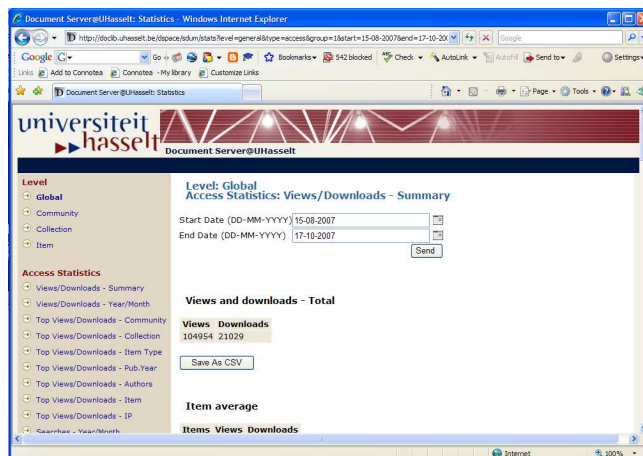




# Impact of the Statistics Add-on



- Wide usage of RepositóriUM statistics by Minho University members (e.g. community managers and individual authors.)
- Several contacts from other interested DSpace users and some repositories using it (e.g. **Universiteit Hasselt (Belgium), Brunel University Research Archive (UK)** :



# Problems and limitations of v1



- Increasing degradation of performance/response time as the usage of RepositóriUM and the period of the log information have been growing;
- Rigidity on the statistics definition and structure of the Web interface;
- Poor layout and data presentation (e.g. Inexistence of charts; reduced navigation and limited data presentation).



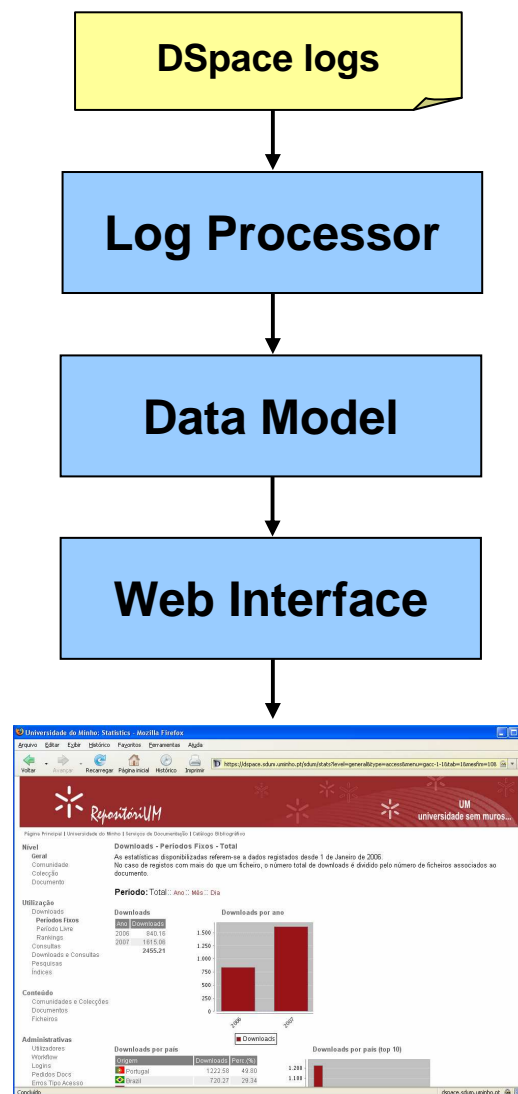
# Objectives and improvements of v2



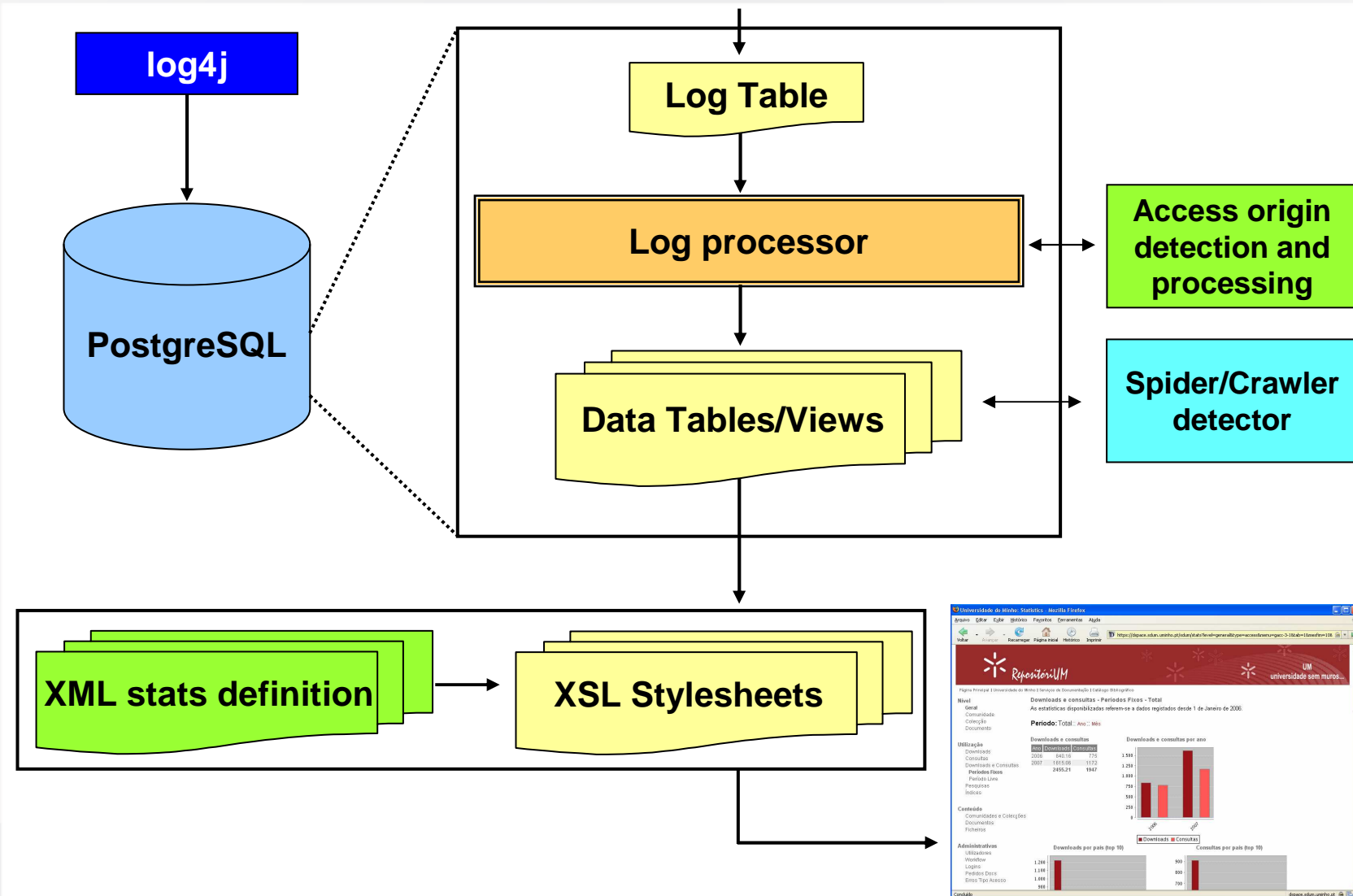
- Improvement of the performance and response time
  - Temporal data aggregations;
  - Dimensional aggregations (e.g. Country, Document type, etc.)
- Improvement of the presentation and navigation
  - Customizable menu navigation Structure (100% XML)
  - Customizable statistics layout (100% XSL style sheets)
  - Charts
- New statistics
- Better system documentation
  - Renewed Installation Guide
  - New User Guide



# Overall architecture



# Detailed architecture



Universidade do Minho: Statistics - Mozilla Firefox

ArquivoEditarExibirHistóricoFavoritosFerramentasAjuda

Voltar

Avançar

Recarregar

Página inicial

Histórico

Imprimir

https://dspace.sdum.uminho.pt/sdum/stats?level=general&type=access&menu=gacc-3-1&tab=1&mesfim=108

RepositóriUM

UM  
universidade sem muros...

Página Principal | Universidade do Minho | Serviços de Documentação | Catálogo Bibliográfico

Nível

Geral

Comunidade

Colecção

Documento

Downloads e consultas - Períodos Fixos - Total

As estatísticas disponibilizadas referem-se a dados registados desde 1 de Janeiro de 2006.

Período: Total:: Ano:: Mês

Utilização

Downloads

Consultas

Downloads e Consultas

Períodos Fixos

Período Livre

Pesquisas

Índices

Downloads e consultas

Ano	Downloads	Consultas
2006	840.16	775
2007	1615.06	1172
	2455.21	1947

Downloads e consultas por ano

Ano	Downloads	Consultas
2006	840.16	775
2007	1615.06	1172

Conteúdo

Comunidades e Colecções

Documentos

Ficheiros

Administrativas

Utilizadores

Workflow

Logins

Pedidos Docs

Erros Tipo Acesso

Downloads por país (top 10)

País	Downloads
	1200

Consultas por país (top 10)

País	Consultas
	900

Concluído

dspace.sdum.uminho.pt

# Brief Demo



# Future Work



- Multilanguage support
- Drill-down and drill-up capabilities
- Exporting (CVS, PDF)
- ...





# Concluding remark



- DSpace needs good statistical tools/module;
- We want to contribute, with others (GSOC a etc), to a global, single, comprehensive and highly customizable solution for this need.



# Grazie/Thank You!



English  
French  
Spanish

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Sobre o RepositóriUM

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Pesquisa Simples | Pesquisa Avançada

Enviar

Use aspas (") para pesquisar frases, + e - para adicionar ou eliminar palavras e a truncatura (\*) para pesquisar palavras com a mesma raiz (educ\* recupera educação, education...). [\[Guia completo de ajuda\]](#)

Em Destaque:

RepositóriUM regista 1.000.000 de downloads!

O RepositóriUM acaba de inscrever um novo marco no seu historial. Dados estatísticos dos últimos dezassete meses de actividade (desde Janeiro de 2006) demonstram que a produção científica da U.M. arquivada no RepositóriUM já registou mais de 1.000.000 downloads e 712.000 consultas!

RepositóriUM  
1.000.000 downloads!

Documentos mais recentes:

- > Pyridazine chromium complexes in NaY zeolite
- > Margarine quality monitoring based on reflectance spectroscopy
- > Novel technologies for the thermal processing of foods
- > QoS adaptation in multimedia multicast conference applications for e-learning services
- > Formal models in web based contracting

repositorium@sdum.uminho.pt - Comentários - Estatísticas do RepositóriUM  
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